



F-117X PN100

Exchangeable with flange:
 European standard EN 1092-1
 Number flange type: 11

Form of flange sealing surface: B2
 Material number: 1.4401
 DN = nominal pipe size

Table 1 **Dimensions PN100**

	DN	A	H	B	V [litre] (intern volume)	Diam. F
F-117AX	40	225	248		0.312	39.3
F-117BX	50	225	266	57.5	0.508	51.3
F-117CX	80	225	301		1.11	76.5
F-117DX	100	225	335	108.5	1.88	100.5

Table 2 **STRAIGHT PIPE LENGTH REQUIREMENTS** (in number of diameters F)

	Upstream	Downstream
one 90° bend before meter	10	4
two 90° bend before meter	13	4
two 90° bend in two planes	20	4
three 90° bend in three planes	30	4
reduction before meter	10	4
expansion before meter	20	4
pressure reducing valve / control valve / partially closed valve before meter	30	4

1. Diameter F:

Care should be taken to install the F-117 concentrically in the line in such a way that the internal diameter of the pipe or flange does not cover the free diameter F.

This means that the internal diameter of the pipe or flange should be chosen greater than the diameter F.

2. Straight pipe lengths:

The F-117 should be mounted with a minimum of straight pipe diameters upstream and downstream. See table 2. If this is not done, flow measurement errors may occur.

Dimensions subject to change without notice.

Tolerances ± 0.2 unless otherwise mentioned

Title: Dimensional drawing F-117X DIN PN100		Drawer : L.E. Date: 06-06-2002	Revision Description: Layout changed		
 WWW.BRONKHORST.COM	Projection: Third Angle	Checked : M.H. Date: 17-06-2016	Rev. by: R.Kn.	Scale:	A3
	Dimensions: Metric (mm)	Drawing no.: 7.05.321	Rev.: F	Page: 1-1	